**MONTGOMERY COUNTY FIRE AND RESCUE SERVICE**
**DRIVER/OPERATOR TRAINING PROGRAM**

# **P**ractical **A**pplication **G**uide **S**heet

Class B Foam
(Revised March 2015)

**Driver Performance Competency:** Candidate will place in service a 200' 1-3/4" Class B foam line using booster tank water. The evaluator will let the candidate know what type of fire (hydrocarbon or polar solvent) is to be extinguished. Candidate will select the proper percentage of Class B concentrate to be introduced into the line.

1. Stop Engine and apply parking brake. _____(3)

2. Engage pump. Listen for pump to engage, speedometer reading approximately 10-15 MPH and green "Ok To Pump When Lit" indicator light in cab should be illuminated. Operator should also hear Air Compressor engage. _____(1)

3. Place wheel chock at appropriate location. _____(3)

4. Operator will confirm the following: Pump panel is illuminated, FoamLogix Pump is on, Air Compressor is on, there is positive discharge pressure on the Master Discharge Gauge and the "Tank To Pump" valve is open. _____(3)

5. Turn OFF FoamLogix Pump and Air Compressor. _____(5)

6. Attach Foam Eductor to pump panel's water and concentrate discharges. Attach 200' of 1-3/4" hose to Eductor's discharge. Attach air aspirating attachment to Metro 1 nozzle. _____(5)

7. Select proper concentrate percentage based on the type of fire (hydrocarbon 1% / polar solvent 3%.) _____(5)

8. Open Class B gate valve. _____(4)

9. Open TPM control device to sufficient pressure. _____(3)

10. Ensure Tank To Pump is open and operate primer until water discharges to ground. _____(3)

11. Open proper gate valve on pump panel to allow foam solution to fill the line. Assistant will completely open the bale. _____(3)

12. Throttle up to proper discharge pressure. (200 psi at the nozzle) _____(5)

**Discharge Pressure_____**

13. Set TPM control device. _____(5)

14. Check attack line to ensure charging, free of obstructions, and remove all kinks missed by crew. _____(5)

15. Ensure that there is a means for water to be constantly circulating through the pump for cooling in the event that the line is shut down. _____(5)

16. Monitor pump panel, pump, engine compartment gauges, and radio. _____(3)

17. Flush the line when done flowing Class B foam. Throttle down to 100 PSI. Close Class B concentrate gate valve and place pickup tube in a bucket of fresh water. Flush at 100 PSI while moving selector knob through each % setting. _____(5)

18. Throttle down, close discharge, and disengage pump. _____(5)

19. Reset TPM to "0." _____(5)

20. Refill tank water and Class B solution reservoir. _____(5)

21. Ensure Engine is ready for service. _____(5)

22. Flush Class B system with garden hose. _____(5)

23. Candidate will explain the 3 methods of applying Class B foam concentrate to prevent agitation of the fuel. (roll-on, bank-down, rain-down) _____(4)

24. Given a full reservoir of Class B foam concentrate (25 gallons) and an unlimited external water source. Candidate will explain how much foam solution is available at the 1% and 3% settings. (1% = 2,500 gallons / 3% = 833 gallons) _____(5)

**Total Possible Points 100** **Candidate's Score _____**

# Critical Fail Points

**Failure to successfully perform any of the following components will result in an automatic failure of this evolution regardless of total score.**

**-Not delivering the requested product**
**-Improper setting of the TPM at any stage of the evolution**
**-Loss of water/pressure in attack line**
**-Not flowing line at 200 PSI at nozzle**
**-Flowing line at improper Class B %**
**-Flowing a Class B line that is more than 200' from Eductor**
**-Failure to hook up air aspirating attachment**
**-Failure to properly flush line and Eductor**
**-Failure to turn OFF CAFS Air Compressor**
**-Failure to turn OFF Class A Foam Pump**
**-Failure to use wheel chock**
**-Activation of TRV**

**PASS** **FAIL**

_____ _____

**Test Evaluator** **Date**